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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF LEVELS AND TRENDS

DATA FOR SEPTEMBER 1986

JOB SERVICE

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY OFFICE OF EMPLOYMENT SECURITY
In cooperation with the U.S. Bureau of Labor Statistics

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– EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives ".

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing, to:
PENNSYLVANIA OFFICE OF EMPLOYMENT SECURITY
COOPERATING REPRESENTATIVE
U.S. BUREAU OF LABOR STATISTICS
LABOR AND INDUSTRY BUILDING - ROOM 1200
HARRISBURG, PENNSYLVANIA 17121
or telephone: 717 – 787-6466

PENNSYLVANIA EMPLOYMENT AND EARNINGS
THIRD QUARTER 1986

SEPTEMBER 1986 UNADJUSTED JOBLESS RATE REMAINS BELOW 7.0 PERCENT FOR EACH MONTH IN THE THIRD QUARTER

Pennsylvania's unadjusted monthly unemployment rate remained below seven percent in all three months of this third quarter of 1986. The recorded rates were 6.7 percent, 6.3 percent, 6.4 percent, respectively. This marks the first quarter that the monthly unemployment rate has consistently remained below seven percent since the fourth quarter 1979 when the monthly unadjusted unemployment rates were 6.9 percent, 6.6 percent and 6.9 percent, respectively. The September 1986 unadjusted rate was 0.7 percentage point less than the year ago figure of 7.1 percent.

The unadjusted employment total a declined between August and September from 5,390,000 to 5,278,000 a decrease of 112,000. Typically there is an August-to-September decline as student leave their summer jobs and return to school. Over the last 12 months, unadjusted employment statewide experienced a sizable growth of 108,000 persons.

September's unemployment volume, not seasonally adjusted, declined by 2,000 from August's 364,000. This unemployment number was the fourth consecutive monthly decline and was also 31,000 less than the year-ago figure of 393,000. The September jobless level was the lowest since December 1979's 358,000.

Seasonally adjusted employment in Pennsylvania was 5,242,000 in September, an increase of 118,000 over the year-ago figure. The adjusted employment was 35,000 less than the preceding month. August's seasonally adjusted employment of 5,277,000 was the highest month for the third quarter.

Adjusting for seasonal fluctuations revealed a modest increase in the unemployment count from 375,000 to 391,000. The seasonally adjusted unemployment rate for Pennsylvania is 0.1 percentage point lower than the national average which is 7.0 percent. This was the fourth straight month Pennsylvania's unemployment rate has been lower than the national average.

The current national unemployment rose over the month by 0.2 percentage point to 7.0 percent. Nationwide, seasonally adjusted unemployment rose over the month by 302,000 to 8,329,000 in September. Adjusted employment fell by 264,000 to 109,891,000 since August. Since September 1985, the U.S. employment has risen by 2,372,000 persons and the jobless rate has remained virtually unchanged, dropping 0.1 percentage point.

NONFARM EMPLOYMENT GAINS 71,400 JOBS SINCE SEPTEMBER 1985
NONMANUFACTURING JOBS REACH NEW ALL-TIME HIGH

Nonagricultural wage and salary employment in the Commonwealth reached 4,847,800 in September, an increase of 12,500 since August and 71,400 more jobs than were reported in September 1985. The all-time high of 4,854.200 was recorded in June 1986. Employment in nonmanufacturing industries, representing 78.4 percent of the state's nonfarm jobs, demonstrated a monthly gain of 4,900 to establish a record level of 3,802,600. Over the year, nonmanufacturing payrolls increased by 109,7600 jobs.

Further analysis of the industries in the nonmanufacturing sector revealed significant increases in transportation, services, government and retail trade since August. The large gains in transportation (bus drivers), government (state and local education), and services (educational services) were directly related to the annual return of students and faculty to the Commonwealth's educational institutions. Reciprocally, several industries such as other local government (includes summer youth programs), amusement and recreation services, hotels and other lodging places, and eating and drinking places reported moderate decreases in employment as the summer season ended.

Over the year, the following nonmanufacturing industries reported substantial employment gains: services, up 57,600 to a record level of 1,247,900 jobs; retail trade, up 33,700 to 860,800; contract construction, up 13,300; and finance, insurance and real estate, up 9,800 to 275,500. Government employment continued to decrease over the last 12 months, reflecting demographic shifts, as well as the apparent public preference for a smaller government role in the civilian sector of the economy.

Employment in Pennsylvania's manufacturing industries decreased slightly in September, down 600 from the August level of 1,045,800. July's plant and factory employment of 1,044,500 was the lowest employment level in recent history. Two possible reasons for this ongoing decline in the state's manufacturing jobs are intense foreign competition and a shift to more capital-intensive production processes requiring less human input. However, several manufacturing industries reported increases since August. They were: food and kindred products, up 1,100; electric and electronic equipment, up 700; and transportation equipment, up 700.

Printing and publishing, lumber and wood products, and food and kindred products all reported gains of 1,000 jobs or more since September 1985, while chemical products, textile products, and stone, clay and glass remained relative stable. Primary metals reported the largest drop in employment, declining 12,300 over the year.

AVERAGE HOURLY EARNINGS AND AVERAGE WEEKLY HOURS BOTH INCREASE DURING THIRD QUARTER 1986

The average hourly earnings of Pennsylvania's manufacturing industry workers rose eight cents over the month and was also nine cents higher than the second quarter ending average of $9.69 reported in June 1986. September's hourly average of $9.78 (which includes basic hourly pay, incentive wages, overtime, and shift differential) was 20 cents above September 1985.

During the third quarter, the average weekly hours worked by production workers in the State's plants and factories rose to 40.5 hours in September compared to 40.3 hours in June of the second quarter. The September average workweek was also 0.5 hour (or 30 minutes) longer than the one-year-ago average of 40.0 hours. The effect of the current longer workweek and increased hourly earnings was to boost average weekly earnings by $6.15 since August to an average of $396.09 in September. This average also denotes an increase of $12.89 over the last 12 months.

Closer examination of the detailed manufacturing industry sectors showed blast furnace and steel mill workers still receiving the highest average hourly earnings of $14.31, followed by petroleum refinery workers with $14.29 and metal forging and stamping workers with $13.78. The lowest average hourly

earnings in the manufacturing sector were received by leather footwear workers with $5.30 in September.

Analysis of current average weekly hours data for production workers revealed workers involved in the manufacturing of the Keystone State's miscellaneous petroleum and coal products (excluding petroleum refining) reporting the longest workweek of 49.0 hours in September. Other manufacturing industries with outstanding weekly hours averages were: paper mill workers, 47.8 hours; and hydraulic cement workers and concrete, gypsum, and plaster producers, both with 46.3 hours. The lowest average workweek among these industries was recorded by newspaper workers, 33.0 hours.

Hydraulic cement workers, petroleum refinery workers, and engine and turbine machinery workers received the highest average weekly earnings in September of $614.40, $611.61, and $595.61, respectively. Leather footwear workers had the lowest reported weekly earnings of $180.20. Since September 1985, farm and garden machinery workers recorded the largest net increase of weekly earnings with a gain of $76.22 to total $530.72. On the other hand, tire and inner tube workers had the largest over-the-year reduction in weekly earnings, $175.50 less than the $531.19 average reported in September 1985.

Among the selected nonmanufacturing industries which report hours and earnings data in the current employment statistics (CES) sample survey, bituminous coal and lignite miners disclosed the top hourly earnings average with $14.91 in September. Nonmetallic mineral miners reported the longest workweek with an average of 48.9 hours, and electric, gas and sanitary workers earned the largest average weekly paychecks with $621.35 this month.

QUARTERLY AVERAGE ADJUSTED UNEMPLOYMENT NUMBER AND RATE
BY MAJOR LABOR MARKET AREAS: THIRD QUARTER 1985 AND 1986
AND SECOND QUARTER 1986

LABOR MARKET AREA	THIRD QUARTER 1986		SECOND QUARTER 1986		THIRD QUARTER 1985	
	UNEMP. NUMBER	UNEMP. RATE	UNEMP. NUMBER	UNEMP. RATE	UNEMP. NUMBER	UNEMP. RATE
UNITED STATES	8182.0	6.9	8446.0	7.2	8268.0	7.2
PENNSYLVANIA	379.0	6.7	405.0	7.2	427.0	7.7
ALLENTOWN-BETHLEHEM MSA	22.5	7.1	26.4	8.2	24.2	7.7
ALTOONA MSA	5.0	8.5	5.7	9.5	5.8	9.9
BEAVER COUNTY MSA	6.8	10.5	9.0	13.4	6.8	10.5
ERIE MSA	11.5	9.0	11.4	8.8	10.6	8.4
HARRISBURG-LEB.-CARLISLE MSA	13.2	4.4	16.5	5.4	15.6	5.2
JOHNSTOWN MSA	9.8	10.4	10.9	11.3	11.7	11.5
LANCASTER MSA	7.4	3.6	8.0	3.8	9.1	4.6
PHILADELPHIA PMSA	121.0	5.1	128.1	5.4	130.5	5.7
PITTSBURGH PMSA	75.1	7.7	79.0	8.1	75.1	7.7
READING MSA	10.3	6.1	12.3	7.2	12.7	7.6
SCRANTON--WILKES-BARRE MSA	28.6	8.4	30.8	9.0	30.7	9.1
SHARON MSA	4.2	8.4	3.9	7.8	4.4	9.0
STATE COLLEGE MSA	3.4	6.0	3.6	6.3	3.7	6.8
WILLIAMSPORT MSA	3.7	6.6	3.9	6.9	4.7	8.7
YORK MSA	1.7	5.2	11.4	5.5	13.8	6.8

SEASONALLY ADJUSTED UNEMPLOYMENT RATES

FOR UNITED STATES AND PENNSYLVANIA

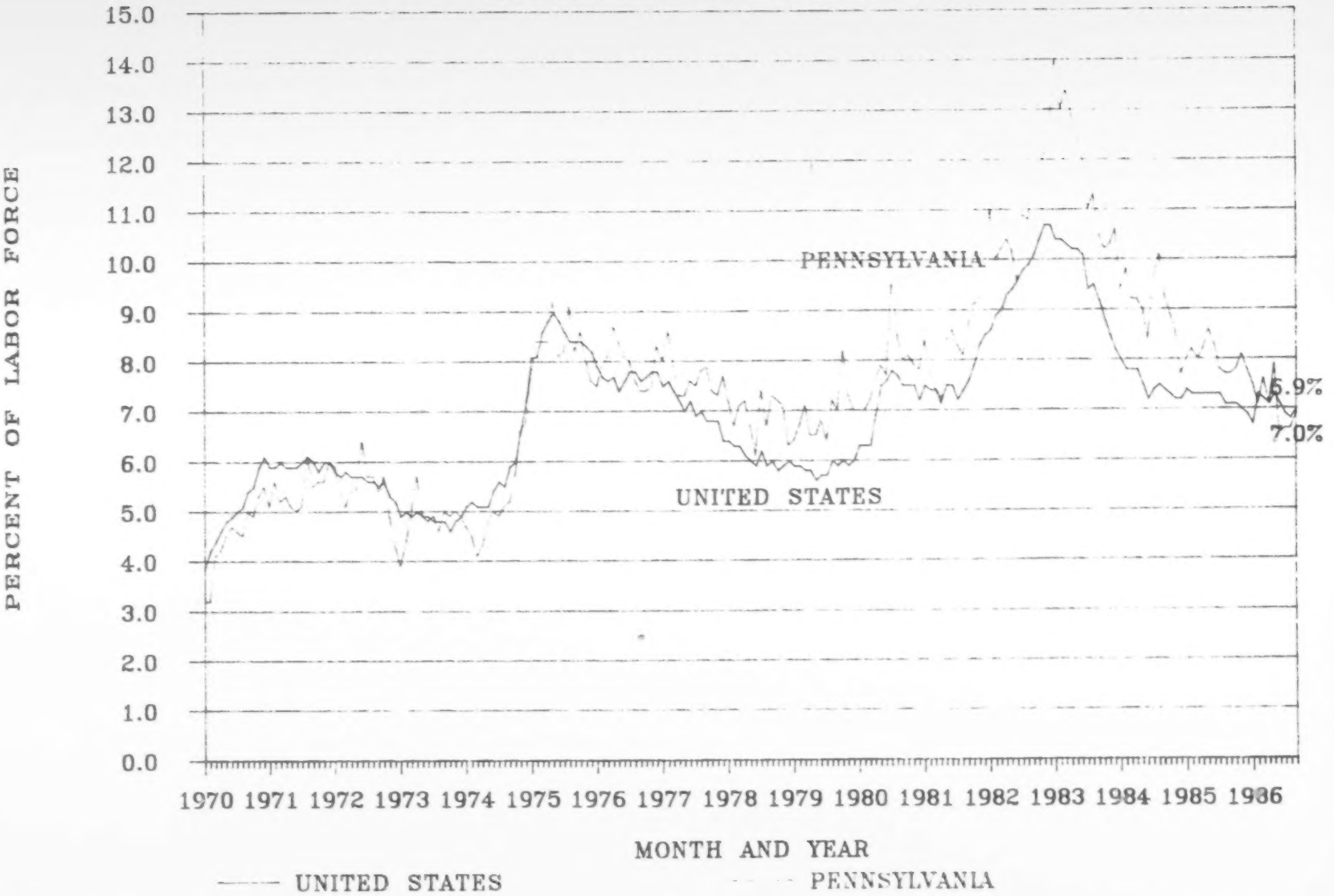

TABLE 1

PENNSYLVANIA AND UNITED STATES EMPLOYMENT DATA
ANNUAL AVERAGES: 1967-1985, MONTHLY DATA: JAN.1985-SEPT.1986
AND QUARTERLY AVERAGES: 1985 AND 1986
(Employment and Unemployment in Thousands)

	PENNSYLVANIA					UNITED STATES				
YEAR	CIVILIAN LABOR FORCE	TOTAL EMPLOY-MENT	TOTAL UNEMP. VOLUME	UNADJ. UNEMP. RATE	ADJUSTED UNEMP. RATE	CIVILIAN LABOR FORCE	TOTAL EMPLOY-MENT	TOTAL UNEMP. VOLUME	UNADJ. UNEMP. RATE	ADJUSTED UNEMP. RATE
1972	4,884	4,620	265	5.4		87,034	82,153	4,882	5.6	
1973	4,999	4,756	242	4.8		89,429	85,064	4,365	4.9	
1974	5,052	4,792	259	5.1		91,949	86,794	5,156	5.6	
1975	5,096	4,672	423	8.3		93,775	85,846	7,929	8.5	
1976	5,127	4,721	407	7.9		96,158	88,752	7,406	7.7	
1977	5,205	4,804	401	7.7		99,009	92,017	6,991	7.1	
1978	5,303	4,936	367	6.9		102,251	96,048	6,202	6.1	
1979	5,358	4,988	370	6.9		104,962	98,824	6,137	5.8	
1980	5,434	5,009	425	7.8		106,940	99,303	7,637	7.1	
1981	5,476	5,018	458	8.4		108,670	100,397	8,273	7.6	
1982	5,489	4,889	599	10.9		110,204	99,526	10,678	9.7	
1983	5,505	4,855	650	11.8		111,550	100,834	10,717	9.6	
1984	5,479	4,981	498	9.1		113,544	105,005	8,539	7.5	
1985	5,519	5,077	442	8.0		115,461	107,150	8,312	7.2	
1985 JAN.	5,414	4,946	468	8.6	7.7	113,475	104,344	9,131	8.0	7.4
FEB.	5,384	4,883	501	9.3	8.2	113,592	104,690	8,902	7.8	7.3
MAR.	5,414	4,958	456	8.4	7.9	114,394	105,768	8,625	7.5	7.3
APR.	5,448	5,000	447	8.2	8.3	114,325	106,175	8,150	7.1	7.3
MAY	5,500	5,040	460	8.4	8.8	114,890	106,880	8,011	7.0	7.3
JUNE	5,685	5,168	517	9.1	8.8	116,572	107,819	8,753	7.5	7.3
JULY	5,738	5,288	450	7.8	7.8	117,536	108,854	8,682	7.4	7.3
AUG.	5,668	5,252	412	7.3	7.5	116,679	108,678	8,051	6.9	7.0
SEP.	5,597	5,202	395	7.1	7.5	115,850	107,867	7,984	6.9	7.1
OCT.	5,601	5,203	397	7.1	7.8	116,346	108,428	7,917	6.8	7.1
NOV.	5,489	5,073	416	7.6	8.1	116,097	108,282	7,815	6.7	7.0
DEC.	5,545	5,139	405	7.3	7.8	115,780	108,063	7,717	6.7	6.9
1986 JAN.	5,477	5,033	444	8.1	7.5	115,431	106,959	8,472	7.3	6.7
FEB.	5,491	5,040	451	8.2	7.1	115,725	106,685	9,041	7.8	7.3
MAR.	5,611	5,166	445	7.9	7.6	116,309	107,643	8,667	7.5	7.2
APR.	5,581	5,189	392	7.0	7.1	116,317	108,201	8,115	7.0	7.1
MAY	5,637	5,204	433	7.7	7.9	117,199	109,041	8,158	7.0	7.3
JUNE	5,676	5,260	417	7.3	6.5	119,644	110,869	8,775	7.3	7.1
JULY	5,753	5,366	387	6.7	6.6	120,303	111,832	8,471	7.0	6.9
AUG.	5,754	5,390	364	6.3	6.6	119,471	111,515	7,955	6.7	6.8
SEP.	5,640	5,278	362	6.4	6.9	118,244	110,229	8,015	6.8	7.0
1985										
1ST QTR.	5,404	4,929	475	8.8	8.0	113,820	104,934	8,886	7.8	7.3
2ND QTR.	5,544	5,069	475	8.6	8.6	115,263	106,958	8,305	7.2	7.3
3RD QTR.	5,666	5,247	419	7.4	7.6	116,689	108,450	8,239	7.1	7.2
4TH QTR.	5,583	5,174	409	7.3	7.8	116,074	108,258	7,816	6.7	7.0
1986										
1ST QTR.	5,526	5,079	447	8.1	7.4	115,822	107,096	8,727	7.5	7.1
2ND QTR.	5,632	5,218	414	7.4	7.2	117,720	109,370	8,349	7.1	7.2
3RD QTR.	5,716	5,345	371	6.5	6.7	119,339	111,192	8,147	6.8	6.9

September 1986 data are preliminary and subject to revision.

TABLE 2
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: THIRD QUARTER 1986
(Employment in thousands)

INDUSTRY LINE	SEPT. 1986 P/	AUG. 1986	JULY 1986	SEPT. 1985	---NET CHANGE-- AUGUST 1986	SEPT. 1985
NONAGRICULTURAL WAGE AND SALARY	4847.8	4835.3	4826.0	4776.4	12.5	71.4
MANUFACTURING INDUSTRIES	1045.2	1045.8	1044.5	1083.5	-0.6	-38.3
DURABLE GOODS	590.1	590.1	594.4	624.5	0.0	-34.4
LUMBER AND WOOD PRODUCTS	27.0	27.0	26.8	25.3	0.0	1.7
MILLWORK,PLYWOOD & STRUCTURE	7.9	8.0	7.7	7.8	-0.1	0.1
OTHER LUMBER & WOOD PRODUCTS	19.1	19.0	19.1	17.0	0.1	2.1
FURNITURE AND FIXTURES	19.1	19.2	19.2	20.3	-0.1	-1.2
HOUSEHOLD FURNITURE	7.7	7.6	7.5	7.9	0.1	-0.2
OFFICE FURNITURE	5.0	5.2	5.3	5.6	-0.2	-0.6
OTHER FURNITURE & FIXTURES	6.4	6.4	6.4	6.8	0.0	-0.4
STONE, CLAY, AND GLASS PRODS.	48.1	48.3	48.5	48.1	-0.2	0.0
GLASS, PRESSED OR BLOWN	11.7	11.8	11.6	11.9	-0.1	-0.2
GLASS CONTAINERS	5.7	5.9	5.8	5.8	-0.2	-0.1
PRESSED & BLOWN GLASS,NEC	6.0	5.9	5.8	6.1	0.1	-0.1
CEMENT, HYDRAULIC	2.2	2.2	2.2	2.1	0.0	0.1
STRUCTURAL CLAY	4.6	4.8	4.9	4.9	-0.2	-0.3
POTTERY & RELATED PRODUCTS	3.7	3.6	3.6	3.8	0.1	-0.1
CONCRETE, GYPSUM & PLASTER	8.2	8.3	8.4	7.9	-0.1	0.3
OTHER STONE, CLAY & GLASS	17.7	17.6	17.8	17.5	0.1	0.2
PRIMARY METALS	88.2	88.2	93.5	100.5	0.0	-12.3
BLAST FURNACE & BASIC STEEL	53.4	53.7	58.9	63.9	-0.3	-10.5
BLAST FURN. & STEEL MILLS	45.3	45.5	50.4	55.2	-0.2	-9.9
OTHER BASIC STEEL PRODUCTS	8.1	8.2	8.5	8.7	-0.1	-0.6
IRON AND STEEL FOUNDRIES	9.9	9.7	9.7	10.6	0.2	-0.7
NONFERROUS ROLLING & DRAWING	12.4	12.2	12.4	12.7	0.2	-0.3
NONFERROUS FOUNDRIES	5.5	5.5	5.5	5.8	0.0	-0.3
OTHER PRIMARY METALS	7.0	7.1	7.0	7.5	-0.1	-0.5
FABRICATED METAL PRODUCTS	89.0	89.1	88.4	92.2	-0.1	-3.2
METAL CANS & SHIPPING CONTRS	2.9	2.7	2.7	2.7	0.2	0.2
CUTLERY, TOOLS & HARDWARE	5.1	5.2	5.1	5.2	-0.1	-0.1
PLUMBING & HEATING, EXC. EL.	2.2	2.2	2.2	2.3	0.0	-0.1
FAB. STRUCTURAL METAL PROD.	32.6	32.5	32.0	32.7	0.1	-0.1
FAB. STRUCTURAL METAL	5.8	5.8	5.8	5.7	0.0	0.1
FAB. PLATE WORK	6.9	6.8	6.7	7.9	0.1	-1.0
OTHER FAB. STRUC. PRODUCTS	19.9	19.9	19.5	19.1	0.0	0.8
SCREW MACHINERY PRODUCTS	6.0	6.1	6.1	6.5	-0.1	-0.5
METAL FORGINGS & STAMPINGS	14.6	14.7	14.5	15.5	-0.1	-0.9
METAL SERVICES & ORDNANCE	8.4	8.4	8.4	8.3	0.0	0.1
MISC. FABRICATED METAL PROD.	17.2	17.3	17.4	18.5	-0.1	-1.3
VALVES & PIPE FITTINGS	6.6	6.7	6.8	7.2	-0.1	-0.6
OTHER MISC. FAB. METALS	10.6	10.6	10.6	11.8	0.0	-1.2

P/ Preliminary data, subject to revision.

TABLE 2
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: THIRD QUARTER 1986
(Employment in thousands)

INDUSTRY LINE	SEPT. 1986 P/	AUG. 1986	JULY 1986	SEPT. 1985	---NET CHANGE-- AUGUST 1986	SEPT. 1985
NONELECTRICAL MACHINERY	105.2	105.2	106.5	112.9	0.0	-7.7
ENGINES AND TURBINES	4.1	4.2	4.2	5.0	-0.1	-0.9
FARM & GARDEN MACHINERY	3.0	3.0	3.0	3.1	0.0	-0.1
CONSTRUCTION & RELATED MACH.	15.2	15.1	15.4	16.5	0.1	-1.3
METAL WORKING MACHINERY	17.6	17.6	17.7	19.1	0.0	-1.5
SPECIAL INDUSTRIAL MACHINERY	8.1	8.0	8.3	9.1	0.1	-1.0
GENERAL INDUSTRIAL MACHINERY	20.3	20.4	20.6	21.5	-0.1	-1.2
OFFICE & COMPUTER MACHINERY	14.7	14.6	14.6	14.5	0.1	0.2
REFRIG. & SERV. MACHINERY	8.6	8.7	8.7	9.6	-0.1	-1.0
MISC. MACHINERY, EXC. ELEC.	13.6	13.9	14.0	14.6	-0.3	-1.0
ELECTRIC AND ELECTRONIC MACH.	97.2	96.5	97.1	103.2	0.7	-6.0
ELECTRICAL DISTRIBUTING EQ.	7.0	7.1	7.0	7.7	-0.1	-0.7
ELECTRICAL INDUSTRIAL APPAR.	15.8	15.8	16.3	16.6	0.0	-0.8
HOUSEHOLD APPLIANCES	2.1	2.0	2.2	3.4	0.1	-1.3
ELECTRICAL LIGHTING & WIRING	19.9	19.7	20.1	21.0	0.2	-1.1
CURRENT CARRYING DEVICES	11.2	11.2	11.3	12.1	0.0	-0.9
OTHER LIGHTING & WIRING	8.7	8.5	8.8	8.9	0.2	-0.2
COMMUNICATION EQUIPMENT	11.2	11.0	11.1	10.5	0.2	0.7
ELECTRONIC COMPONENTS & ACC.	31.4	31.4	31.5	34.7	0.0	-3.3
OTHER ELECTRICAL EQUIPMENT	9.8	9.5	8.9	9.3	0.3	0.5
TRANSPORTATION EQUIPMENT	60.1	59.4	57.6	64.2	0.7	-4.1
MOTOR VEHICLES AND EQUIPMENT	21.8	21.3	19.1	25.2	0.5	-3.4
MOTOR VEHICLE PARTS & ACC.	9.8	9.3	9.1	10.6	0.5	-0.8
OTHER MOTOR VEHICLES & EQ.	12.0	12.0	10.0	14.6	0.0	-2.6
AIRCRAFT AND PARTS	11.1	10.9	10.8	10.7	0.2	0.4
SHIP & BOAT BUILDING & REPR.	2.3	2.3	2.2	1.8	0.0	0.5
RAILROAD EQUIPMENT	8.7	8.8	9.3	11.5	-0.1	-2.8
OTHER TRANSPORTATION EQUIP.	16.2	16.1	16.2	15.0	0.1	1.2
INSTRUMENTS AND RELATED PROD.	36.3	36.9	36.6	37.7	-0.6	-1.4
MEASURING & CONTROLLING DEV.	16.1	16.3	16.0	17.0	-0.2	-0.9
MEDICAL INSTRUMENTS & SUPPL.	10.9	11.2	11.2	11.3	-0.3	-0.4
OTHER INSTRUMENTS & RELATED	9.3	9.4	9.4	9.4	-0.1	-0.1
MISCELLANEOUS MANUFACTURES	19.9	20.0	20.2	20.1	-0.1	-0.2
NONDURABLE GOODS	455.1	455.7	450.1	459.0	-0.6	-3.9
FOOD AND KINDRED PRODUCTS	94.6	93.5	91.6	93.6	1.1	1.0
MEAT PRODUCTS	14.3	14.6	14.6	13.9	-0.3	0.4
DAIRY PRODUCTS	10.8	10.9	11.1	10.7	-0.1	0.1
FLUID MILK	5.1	5.2	5.2	5.0	-0.1	0.1
OTHER DAIRY PRODUCTS	5.7	5.7	5.9	5.7	0.0	0.0
PRESERVED FRUIT & VEGETABLES	12.6	11.7	11.1	12.5	0.9	0.1
CANNED FRUITS & VEGETABLES	4.4	3.7	3.6	4.4	0.7	0.0

P/ Preliminary data, subject to revision.

TABLE 2
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: THIRD QUARTER 1986
(Employment in thousands)

INDUSTRY LINE	SEPT. 1986 P/	AUG. 1986	JULY 1986	SEPT. 1985	---NET CHANGE-- AUGUST 1986	SEPT. 1985
OTHER PRES. FRUITS & VEGS.	8.2	8.0	7.5	8.1	0.2	0.1
GRAIN MILL PRODUCTS	5.7	5.6	5.4	5.6	0.1	0.1
BAKERY PRODUCTS	17.1	16.8	16.8	17.1	0.3	0.0
SUGAR & CONFECTION PRODUCTS	15.0	14.5	13.3	14.8	0.5	0.2
BEVERAGES	8.7	9.1	9.1	8.8	-0.4	-0.1
OTHER FOOD & KINDRED PRODS.	10.4	10.3	10.2	10.2	0.1	0.2
TOBACCO PRODUCTS	1.2	1.2	1.7	2.2	0.0	-1.0
TEXTILE PRODUCTS	31.3	31.2	30.6	31.0	0.1	0.3
WEAVING MILLS SYNTHETICS	4.2	4.0	4.1	4.0	0.2	0.2
KNITTING MILLS	13.1	13.4	12.7	13.0	-0.3	0.1
KNIT OUTERWEAR MILLS	5.7	6.0	5.7	5.7	-0.3	0.0
KNIT UNDERWEAR MILLS	3.3	3.4	3.2	3.5	-0.1	-0.2
OTHER KNITTING MILLS	4.1	4.0	3.8	3.8	0.1	0.3
FLOOR COVERING MILLS	3.1	3.1	3.1	3.0	0.0	0.1
YARN AND THREAD MILLS	2.5	2.5	2.5	2.8	0.0	-0.3
OTHER TEXTILE MILL PRODUCTS	8.4	8.2	8.2	8.2	0.2	0.2
APPAREL AND RELATED PRODUCTS	92.7	92.8	89.5	99.0	-0.1	-6.3
MENS AND BOYS SUITS & COATS	11.8	11.6	11.0	12.7	0.2	-0.9
MENS AND BOYS FURNISHINGS	15.5	15.5	15.5	15.9	0.0	-0.4
WOMENS AND MISSES OUTERWEAR	37.8	38.5	35.9	42.5	-0.7	-4.7
WOMENS & KIDS UNDERGARMENTS	10.3	10.1	9.7	10.0	0.2	0.3
CHILDRENS OUTERWEAR	5.9	5.6	5.4	6.2	0.3	-0.3
OTHER APPAREL & TEXTILE PROD	11.4	11.5	11.3	11.7	-0.1	-0.3
PAPER PRODUCTS	40.7	41.9	42.4	40.8	-1.2	-0.1
PAPER MILLS, EXC. BUILDING	10.1	10.3	10.4	10.3	-0.2	-0.2
PAPERBOARD CONTAINER & BOXES	11.8	11.9	11.9	12.5	-0.1	-0.7
CORRUGATED & SOLID BOXES	6.3	6.4	6.2	6.5	-0.1	-0.2
OTHER PAPERBOARD PRODUCTS	5.5	5.5	5.7	6.0	0.0	-0.5
OTHER PAPER & ALLIED PRODS.	18.8	19.7	20.1	18.0	-0.9	0.8
PRINTING AND PUBLISHING	78.0	77.9	77.5	73.1	0.1	4.9
NEWSPAPERS	22.5	22.4	22.4	19.4	0.1	3.1
COMMERCIAL PRINTING	27.5	27.4	27.3	26.4	0.1	1.1
OTHER PRINTING & PUBLISHING	28.0	28.1	27.8	27.3	-0.1	0.7
CHEMICAL AND ALLIED PRODUCTS	59.9	60.3	60.4	59.4	-0.4	0.5
INDUSTRIAL INORGANICS	9.7	9.8	10.0	9.9	-0.1	-0.2
PLASTIC MATERIALS & SYNTHET.	8.0	8.1	8.0	7.9	-0.1	0.1
DRUGS	20.1	20.1	20.0	19.5	0.0	0.6
SOAPS, CLEANERS & TOILET GDS	4.2	4.1	4.2	3.9	0.1	0.3
PAINTS AND ALLIED PRODUCTS	3.8	3.9	3.9	3.8	-0.1	0.0
OTHER CHEMICAL & ALLIED PROD	14.1	14.3	14.3	14.4	-0.2	-0.3
PETROLEUM AND COAL PRODUCTS	10.7	10.9	10.9	12.6	-0.2	-1.9

P/ Preliminary data, subject to revision.

TABLE 2
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: THIRD QUARTER 1986
(Employment in thousands)

INDUSTRY LINE	SEPT. 1986 P/	AUG. 1986	JULY 1986	SEPT. 1985	---NET CHANGE-- AUGUST 1986	SEPT. 1985
PETROLEUM REFINING	8.0	8.2	8.2	9.6	-0.2	-1.6
OTHER PETROLEUM & COAL PRODS	2.7	2.7	2.7	3.0	0.0	-0.3
RUBBER AND PLASTICS PRODUCTS	35.6	35.3	34.8	36.1	0.3	-0.5
TIRES AND INNER TUBES	1.1	1.1	1.1	2.0	0.0	-0.9
FABRICATED RUBBER PRODUCTS	4.3	4.3	4.1	4.2	0.0	0.1
OTHER RUBBER & PLASTICS PROD	30.2	29.9	29.6	29.9	0.3	0.3
LEATHER PRODUCTS	10.4	10.7	10.7	11.2	-0.3	-0.8
FOOTWEAR, EXC. RUBBER	8.1	8.4	8.2	8.5	-0.3	-0.4
OTHER LEATHER PRODUCTS	2.3	2.3	2.5	2.7	0.0	-0.4
NONMANUFACTURING INDUSTRIES	3802.6	3789.5	3764.3	3692.9	13.1	109.7
MINING	34.9	34.9	35.2	35.8	0.0	-0.9
ANTHRACITE COAL	2.3	2.3	2.4	1.8	0.0	0.5
BITUMINOUS COAL & LIGNITE	22.6	22.5	22.7	23.4	0.1	-0.8
NONMETALLIC MINERALS	5.0	5.1	5.1	4.9	-0.1	0.1
OTHER MINING AND QUARRYING	5.0	5.0	5.0	5.7	0.0	-0.7
CONTRACT CONSTRUCTION	222.1	223.4	221.3	208.8	-1.3	13.3
GENERAL BUILDING CONTRACTORS	62.3	62.3	61.8	55.8	0.0	6.5
HEAVY CONSTRUCT. CONTRACTORS	37.4	37.7	37.0	36.6	-0.3	0.8
SPECIAL TRADE CONTRACTORS	122.4	123.4	122.5	116.4	-1.0	6.0
TRANSPORTATION	139.3	132.6	131.9	140.1	6.7	-0.8
RAILROAD TRANSPORTATION	21.3	21.4	21.5	23.1	-0.1	-1.8
ALL OTHER TRANSPORTATION	118.0	111.2	110.4	117.0	6.8	1.0
PUBLIC UTILITIES	100.3	101.9	102.2	101.4	-1.6	-1.1
COMMUNICATIONS	47.1	47.4	47.7	48.1	-0.3	-1.0
ELECTRIC, GAS AND SANITARY	53.2	54.5	54.5	53.3	-1.3	-0.1
ELECTRIC SERVICES	26.8	27.1	27.1	27.0	-0.3	-0.2
GAS PRODUCTION & DIST.	8.5	8.8	8.8	8.8	-0.3	-0.3
WHOLESALE TRADE	261.7	261.8	261.1	254.9	-0.1	6.8
DURABLE GOODS TRADE	166.0	166.1	165.7	158.7	-0.1	7.3
NONDURABLE GOODS TRADE	95.7	95.7	95.4	96.2	0.0	-0.5
RETAIL TRADE	860.8	858.3	852.3	827.1	2.5	33.7
GENERAL MERCHANDISE STORES	133.6	131.6	130.6	128.4	2.0	5.2
DEPARTMENT STORES	119.7	118.0	117.2	114.9	1.7	4.8
OTHER RETAIL GEN. MERCHAN.	13.9	13.6	13.4	13.5	0.3	0.4
FOOD STORES	154.4	154.4	153.0	144.8	0.0	9.6
AUTO DEALERS & SERVICE STAT.	89.9	90.1	89.7	86.5	-0.2	3.4
APPAREL AND ACCESSORY STORES	45.7	45.5	45.3	46.8	0.2	-1.1
EATING AND DRINKING PLACES	261.5	263.4	262.0	255.3	-1.9	6.2
MISCELLANEOUS RETAIL TRADE	112.5	109.5	108.5	106.6	3.0	5.9

P/ Preliminary data, subject to revision.

TABLE 2
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: THIRD QUARTER 1986
(Employment in thousands)

INDUSTRY LINE	SEPT. 1986 P/	AUG. 1986	JULY 1986	SEPT. 1985	---NET CHANGE-- AUGUST 1986	SEPT. 1985
FINANCE,INSURANCE AND REAL EST	275.5	277.8	277.9	265.7	-2.3	9.8
BANKING	88.4	88.9	88.6	84.5	-0.5	3.9
COMMERCIAL & STOCK SAVINGS	81.4	81.9	81.6	77.5	-0.5	3.9
OTHER BANKING	7.0	7.0	7.0	7.7	0.0	-0.7
INSURANCE CARRIERS	76.7	76.6	76.8	75.7	0.1	1.0
LIFE INSURANCE	28.5	28.6	28.8	29.9	-0.1	-1.4
FIRE, MARINE & CASUALTY INS	31.2	31.1	31.1	30.0	0.1	1.2
OTHER FIN.,INS.& REAL ESTATE	69.6	71.2	71.7	67.8	-1.6	1.8
SERVICE AND MISCELLANEOUS	1247.9	1243.0	1242.7	1190.3	4.9	57.6
HOTELS & LODGING PLACES	56.4	60.7	60.4	53.4	-4.3	3.0
BUSINESS SERVICES	215.7	215.3	212.9	193.1	0.4	22.6
AMUSEMENT & RECREATION SERV.	45.1	50.4	50.0	45.7	-5.3	-0.6
HEALTH SERVICES	408.8	409.5	408.7	391.9	-0.7	16.9
HOSPITALS	224.1	224.3	224.5	217.6	-0.2	6.5
OTHER HEALTH SERVICES	116.6	116.2	115.6	111.5	0.4	5.1
LEGAL SERVICES	32.6	33.3	33.8	31.5	-0.7	1.1
EDUCATIONAL SERVICES	137.2	120.9	122.3	134.6	16.3	2.6
SOCIAL SERVICES	72.7	72.2	72.6	69.2	0.5	3.5
MISCELLANEOUS SERVICES	56.5	56.5	56.5	54.0	0.0	2.5
ENGINEERING & ARCHITECTURE	34.3	34.5	34.7	33.0	-0.2	1.3
OTHER SERVICES, NEC	222.9	224.2	225.5	216.9	-1.3	6.0
GOVERNMENT	660.1	655.8	639.7	668.8	4.3	-8.7
FEDERAL	135.8	137.8	139.0	139.2	-2.0	-3.4
STATE	149.3	138.5	138.0	149.4	10.8	-0.1
STATE EDUCATION	41.3	29.9	29.1	39.8	11.4	1.5
OTHER STATE GOVERNMENT	108.0	108.6	108.9	109.6	-0.6	-1.6
LOCAL	375.0	379.5	362.7	380.2	-4.5	-5.2
LOCAL EDUCATION	215.0	182.3	182.1	219.3	32.7	-4.3
OTHER LOCAL GOVERNMENT	160.0	197.2	180.6	160.9	-37.2	-0.9
PERSONS IN LABOR-MGMT. DISPUTES	9.7	6.9	17.2	8.1	2.8	1.6

TABLE 3
SELECTED PENNSYLVANIA EMPLOYMENT INDICES
(Not seasonally adjusted) 1977 = 100.0

INDUSTRY TITLE	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	[----- ANNUAL AVERAGE ----- 1985	1984	1980	1975]
ALL MANUFACTURING	77.89	77.93	77.84	8.09	80.8	83.4	99.0	99.5
PRIMARY METALS	44.19	44.19	46.84	50.35	53.1	59.3	95.3	103.0
APPAREL	69.18	69.25	66.79	73.88	77.1	85.0	92.6	99.0
ALL NONMANUFACTURING	117.97	117.57	116.78	114.57	112.9	109.4	106.3	96.2
CONSTRUCTION	120.77	121.32	120.34	113.54	105.2	95.5	103.4	100.3
RETAIL TRADE	120.02	119.67	118.84	115.32	11.9	109.2	103.7	93.5
SERVICES	144.68	144.12	144.08	138.01	135.0	128.5	112.9	92.6
GOVERNMENT	92.85	92.25	89.98	94.08	94.9	94.5	101.7	101.5

P/ Preliminary data, subject to revision.

TABLE 4
ACTUAL AND REAL GROSS EARNINGS OF
MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA
Annual Averages (1967 = 100)

YEAR	WEEKLY EARNINGS (1)	WEEKLY HOURS (2)	HOURLY EARNINGS (3)	HOURLY EARNINGS INDEX (4)	U.S. CONSUMER. PRICE INDEX (5)	REAL WEEKLY EARNINGS (6)	LOSSES DUE TO INFLATION (7)
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	217.4	127.92	150.18
1980	294.49	38.8	7.59	269.1	246.8	119.32	175.17
1981	325.36	39.2	8.30	294.3	272.4	119.44	205.92
1982	331.39	38.4	8.63	306.0	289.1	114.63	216.76
1983	350.84	39.2	8.95	317.4	298.4	117.57	233.27
1984	373.06	40.2	9.28	329.1	311.1	119.92	253.14
1985	381.84	39.9	9.57	339.4	322.2	118.69	262.89

TABLE 5
EMPLOYMENT, MANHOURS AND PAYROLLS OF
MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA
(in thousands)

INDUSTRY LINE	SEPT. 1986	AUGUST 1986	JULY 1986	SEPT. 1985
EMPLOYMENT DATA:				
MANUFACTURING INDUSTRIES	705.4	704.8	703.1	737.7
DURABLE GOODS	389.2	388.3	392.5	417.6
NONDURABLE GOODS	316.2	316.3	310.6	320.1
WEEKLY MANHOURS:				
MANUFACTURING INDUSTRIES	28,585.6	28,346.0	28,149.6	29,474.4
DURABLE GOODS	16,079.2	15,903.1	15,947.6	17,087.0
NONDURABLE GOODS	12,506.4	12,442.9	12,202.0	12,387.4
WEEKLY PAYROLLS:				
MANUFACTURING INDUSTRIES	$279,480.9	$274,825.7	$273,980.7	$282,370.2
DURABLE GOODS	$169,852.4	$166,170.1	$167,421.4	$176,878.9
NONDURABLE GOODS	$109,628.5	$108,655.6	$106,559.3	$105,491.3

September 1986 data are preliminary and subject to revision.

TABLE 6

AVERAGE HOURS AND EARNINGS OF MANUFACTURING WORKERS
IN PENNSYLVANIA BY INDUSTRY LINE: THIRD QUARTER 1986
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG. WEEKLY HOURS				AVG. HOURLY EARNINGS			
	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985
MANUFACTURING INDUSTRIES	396.09	389.94	389.20	383.20	40.5	40.2	40.0	40.0	9.78	9.70	9.73	9.58
DURABLE GOODS	436.13	428.45	426.30	423.32	41.3	41.0	40.6	40.9	10.56	10.45	10.50	10.35
LUMBER AND WOOD PRODUCTS	336.20	334.54	329.64	311.60	41.0	41.2	41.0	41.0	8.20	8.12	8.04	7.60
MILLWORK,PLYWOOD & STRUCTURE	373.25	372.38	378.87	331.23	43.3	43.2	43.8	40.1	8.62	8.62	8.65	8.26
OTHER LUMBER & WOOD PRODUCTS	321.20	318.37	310.02	303.56	40.1	40.3	39.9	41.3	8.01	7.90	7.77	7.35
FURNITURE AND FIXTURES	348.00	344.34	331.66	332.49	40.0	39.9	38.7	40.4	8.70	8.63	8.57	8.23
HOUSEHOLD FURNITURE	295.66	302.25	285.30	280.13	38.1	38.7	37.1	39.4	7.76	7.81	7.69	7.11
OFFICE FURNITURE	374.51	366.71	347.01	352.80	41.2	40.7	38.6	40.0	9.09	9.01	8.99	8.82
OTHER FURNITURE & FIXTURES	400.61	385.40	383.35	388.31	41.6	41.0	41.0	42.3	9.63	9.40	9.35	9.18
STONE, CLAY, AND GLASS PRODS.	435.02	429.35	421.82	420.51	42.4	42.3	41.6	41.8	10.26	10.15	10.14	10.06
GLASS, PRESSED OR BLOWN	448.75	434.43	414.96	435.25	41.9	41.1	39.9	41.1	10.71	10.57	10.40	10.59
GLASS CONTAINERS	476.02	470.38	436.57	479.68	42.2	42.3	40.2	42.6	11.28	11.12	10.86	11.26
PRESSED & BLOWN GLASS,NEC	423.26	398.60	392.24	392.04	41.7	39.9	39.5	39.6	10.15	9.99	9.93	9.90
CEMENT, HYDRAULIC	614.40	575.93	587.38	585.95	46.3	44.2	44.6	44.9	13.27	13.03	13.17	13.05
STRUCTURAL CLAY	373.01	369.60	370.87	355.78	40.9	42.0	41.3	40.8	9.12	8.80	8.98	8.72
POTTERY & RELATED PRODUCTS	395.52	391.64	369.41	382.45	41.2	40.5	38.4	40.6	9.60	9.67	9.62	9.42
CONCRETE, GYPSUM & PLASTER	427.81	420.44	407.52	406.75	46.3	45.8	44.2	44.6	9.24	9.18	9.22	9.12
OTHER STONE, CLAY & GLASS	432.89	437.60	442.46	426.01	40.8	41.4	41.9	41.2	10.61	10.57	10.56	10.34
PRIMARY METALS	500.09	484.27	510.30	501.03	40.2	39.5	40.5	40.9	12.44	12.26	12.60	12.25
BLAST FURNACE & BASIC STEEL	542.53	525.14	561.16	545.26	39.2	38.5	40.4	40.6	13.84	13.64	13.89	13.43
BLAST FURN. & STEEL MILLS	559.52	539.26	583.85	563.45	39.1	38.3	40.8	40.8	14.31	14.08	14.31	13.81
OTHER BASIC STEEL PRODUCTS	457.60	452.67	429.79	433.71	40.0	39.5	37.9	39.5	11.44	11.46	11.34	10.98
IRON AND STEEL FOUNDRIES	386.51	376.40	371.70	373.73	40.6	40.0	39.5	40.1	9.52	9.41	9.41	9.32
NONFERROUS ROLLING & DRAWING	481.80	465.26	466.95	455.14	43.8	43.0	42.8	43.1	11.00	10.82	10.91	10.56
NONFERROUS FOUNDRIES	423.11	419.25	399.00	431.96	42.1	41.8	39.9	42.6	10.05	10.03	10.00	10.14
OTHER PRIMARY METALS	440.24	420.40	434.84	421.20	40.5	39.4	40.3	40.5	10.87	10.67	10.79	10.40
FABRICATED METAL PRODUCTS	434.05	427.61	423.72	407.77	42.1	41.8	41.5	40.9	10.31	10.23	10.21	9.97

September data are preliminary and subject to revision.

TABLE 6

AVERAGE HOURS AND EARNINGS OF MANUFACTURING WORKERS
IN PENNSYLVANIA BY INDUSTRY LINE: THIRD QUARTER 1986
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG. WEEKLY HOURS				AVG. HOURLY EARNINGS			
	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985
METAL CANS & SHIPPING CONTRS	481.69	505.63	465.69	475.35	45.4	45.8	43.0	45.1	10.61	11.04	10.83	10.54
CUTLERY, TOOLS & HARDWARE	347.13	340.16	334.90	299.77	40.6	39.6	39.4	35.9	8.55	8.59	8.50	8.35
PLUMBING & HEATING, EXC. EL.	411.74	412.00	355.47	415.58	42.1	41.7	37.3	43.2	9.78	9.88	9.53	9.62
FAB. STRUCTURAL METAL PROD.	389.58	388.23	387.30	389.16	41.8	41.7	41.6	41.8	9.32	9.31	9.31	9.31
FAB. STRUCTURAL METAL	440.32	434.49	433.82	412.72	43.9	44.2	43.6	41.9	10.03	9.83	9.95	9.85
FAB. PLATE WORK	444.29	453.06	441.45	463.08	41.1	41.3	40.5	43.4	10.81	10.97	10.90	10.67
OTHER FAB. STRUC. PRODUCTS	356.45	353.01	356.87	352.23	41.4	41.0	41.4	41.1	8.61	8.61	8.60	8.57
SCREW MACHINERY PRODUCTS	463.84	450.23	430.98	423.33	43.8	43.5	41.6	41.3	10.59	10.35	10.36	10.25
METAL FORGINGS & STAMPINGS	579.92	560.29	556.85	505.12	44.0	43.4	43.1	41.0	13.78	12.91	12.92	12.32
METAL SERVICES & ORDNANCE	392.20	380.33	381.35	356.29	40.6	39.7	40.1	39.5	9.66	9.58	9.51	9.02
MISC. FABRICATED METAL PROD.	413.09	411.82	414.06	393.26	40.9	41.1	41.2	40.5	10.10	10.02	10.05	9.71
VALVES & PIPE FITTINGS	425.06	418.44	441.00	388.22	39.8	39.7	42.0	41.6	10.68	10.54	10.50	9.40
OTHER MISC. FAB. METALS	406.29	408.11	398.05	401.70	41.5	41.9	40.7	39.0	9.79	9.74	9.78	10.30
NONELECTRICAL MACHINERY	449.76	444.96	436.97	436.80	41.3	41.2	40.8	41.6	10.89	10.80	10.71	10.50
ENGINES AND TURBINES	595.61	570.70	565.27	574.84	46.1	43.9	44.3	44.7	12.92	13.00	12.76	12.86
FARM & GARDEN MACHINERY	530.72	503.03	516.95	454.50	42.8	41.3	42.9	40.4	12.40	12.18	12.05	11.25
CONSTRUCTION & RELATED MACH.	447.82	462.87	423.87	439.60	40.6	41.7	39.8	41.2	11.03	11.10	10.65	10.67
METAL WORKING MACHINERY	446.19	438.46	449.90	433.24	40.6	40.3	40.9	41.3	10.99	10.80	11.00	10.49
SPECIAL INDUSTRIAL MACHINERY	475.20	477.60	456.09	432.82	43.2	43.3	41.5	41.3	11.00	11.03	10.99	10.48
GENERAL INDUSTRIAL MACHINERY	475.07	466.58	449.85	438.29	41.6	41.4	40.6	40.1	11.42	11.27	11.08	10.93
OFFICE & COMPUTER MACHINERY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
REFRIG. & SERV. MACHINERY	400.14	402.62	410.27	409.19	40.5	41.0	41.4	41.5	9.88	9.82	9.91	9.63
MISC. MACHINERY, EXC. ELEC.	404.15	392.75	392.75	409.28	40.7	40.2	40.2	42.5	9.93	9.77	9.77	9.61
ELECTRIC AND ELECTRONIC MACH.	415.67	407.13	393.57	389.21	42.2	41.8	40.7	40.5	9.85	9.74	9.67	9.26
ELECTRICAL DISTRIBUTING EQ.	466.96	447.48	432.29	431.27	44.6	44.0	43.1	43.3	10.47	10.17	10.03	9.20
ELECTRICAL INDUSTRIAL APPAR.	426.51	400.26	395.96	393.55	43.7	42.0	41.9	42.5	9.76	9.53	9.45	8.88
HOUSEHOLD APPLIANCES	364.34	393.42	416.75	379.04	37.6	41.5	44.1	41.2	9.69	9.48	9.45	9.48
ELECTRICAL LIGHTING & WIRING	368.80	361.89	254.60	342.77	40.0	39.9	39.4	38.6	9.22	9.07	9.00	8.36
CURRENT CARRYING DEVICES	391.94	393.98	378.90	360.24	40.7	40.7	39.8	38.0	9.63	9.68	9.52	7.83
OTHER LIGHTING & WIRING	350.37	335.23	333.84	327.66	33.5	33.3	34.0	34.1	8.87	8.53	8.56	10.85
COMMUNICATION EQUIPMENT	376.48	349.98	341.33	325.73	40.7	38.8	38.7	41.6	9.25	9.02	8.82	8.67

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TABLE 6

AVERAGE HOURS AND EARNINGS OF MANUFACTURING WORKERS
IN PENNSYLVANIA BY INDUSTRY LINE: THIRD QUARTER 1986
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG. WEEKLY HOURS				AVG. HOURLY EARNINGS			
	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985
ELECTRONIC COMPONENTS & ACC.	457.92	456.86	442.88	427.49	43.2	43.1	41.9	39.4	10.60	10.60	10.57	11.78
OTHER ELECTRICAL EQUIPMENT	370.35	372.02	316.32	358.94	41.8	41.8	36.4	41.4	8.86	8.90	8.69	12.15
TRANSPORTATION EQUIPMENT	477.17	470.42	456.30	477.09	40.2	39.9	38.9	40.5	11.87	11.79	11.73	11.78
MOTOR VEHICLES AND EQUIPMENT	493.28	491.18	477.20	496.94	40.7	41.0	39.9	40.9	12.12	11.98	11.96	12.15
MOTOR VEHICLE PARTS & ACC.	529.48	539.03	522.01	489.90	42.7	43.4	42.2	41.8	12.40	12.42	12.37	11.72
OTHER MOTOR VEHICLES & EQ.	462.15	452.78	432.78	502.94	39.0	39.1	37.6	40.3	11.85	11.58	11.51	12.48
AIRCRAFT AND PARTS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SHIP & BOAT BUILDING & REPR.	445.11	484.50	466.42	478.36	40.1	42.8	40.7	40.8	11.10	11.32	11.46	11.23
RAILROAD EQUIPMENT	453.22	462.43	452.91	420.90	37.8	38.6	37.9	40.3	11.99	11.98	11.95	11.87
OTHER TRANSPORTATION EQUIP.	472.91	459.72	431.51	402.41	42.3	40.9	38.7	38.9	11.18	11.24	11.15	10.82
INSTRUMENTS AND RELATED PROD.	405.41	392.83	399.74	402.41	40.5	39.8	40.5	41.7	10.01	9.87	9.87	9.65
MEASURING & CONTROLLING DEV.	440.54	418.70	432.07	450.39	41.6	39.8	40.8	43.6	10.59	10.52	10.59	10.33
MEDICAL INSTRUMENTS & SUPPL.	363.53	355.61	357.78	377.80	39.3	39.6	40.2	41.7	9.25	8.98	8.90	9.06
OTHER INSTRUMENTS & RELATED	392.18	393.16	397.31	352.17	40.1	40.2	40.5	38.7	9.78	9.78	9.81	9.10
MISCELLANEOUS MANUFACTURES	393.34	378.39	375.34	344.74	41.8	40.6	40.1	37.8	9.41	9.32	9.36	9.12
NONDURABLE GOODS	346.42	343.09	343.09	329.72	39.5	39.3	39.3	38.7	8.77	8.73	8.73	8.52
FOOD AND KINDRED PRODUCTS	385.02	383.11	384.89	378.39	40.7	40.2	40.6	40.6	9.46	9.53	9.48	9.32
MEAT PRODUCTS	315.29	306.54	310.40	318.76	41.0	39.3	40.0	40.4	7.69	7.80	7.76	7.89
DAIRY PRODUCTS	370.60	368.92	369.60	346.90	42.5	42.6	44.0	42.1	8.72	8.66	8.40	8.24
FLUID MILK	393.62	390.28	388.20	379.71	42.6	42.7	42.8	43.1	9.24	9.14	9.07	8.81
OTHER DAIRY PRODUCTS	358.28	358.27	361.26	331.55	42.4	42.6	44.6	41.6	8.45	8.41	8.10	7.97
PRESERVED FRUIT & VEGETABLES	388.76	367.50	382.12	371.82	43.1	41.2	41.0	42.3	9.02	8.92	9.32	8.79
CANNED FRUITS & VEGETABLES	278.85	275.63	294.26	263.74	39.0	37.5	40.2	38.9	7.15	7.35	7.32	6.78
OTHER PRES. FRUITS & VEGS.	451.73	414.19	429.73	437.34	45.4	43.1	41.4	44.4	9.95	9.61	10.38	9.85
GRAIN MILL PRODUCTS	482.21	533.23	501.34	501.68	40.9	43.6	42.2	42.3	11.79	12.23	11.88	11.86
BAKERY PRODUCTS	366.07	358.98	372.10	372.18	37.7	37.2	37.7	37.9	9.71	9.65	9.87	9.82
SUGAR & CONFECTION PRODUCTS	419.60	426.00	414.96	403.19	40.0	40.0	39.9	40.4	10.49	10.65	10.40	9.98
BEVERAGES	489.64	502.49	529.32	477.58	40.2	41.7	44.0	40.2	12.18	12.05	12.03	11.88

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IN PENNSYLVANIA BY INDUSTRY LINE: THIRD QUARTER 1986
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG. WEEKLY HOURS				AVG. HOURLY EARNINGS			
	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985
OTHER FOOD & KINDRED PRODS.	358.28	337.71	334.49	338.24	42.4	40.3	40.3	41.4	8.45	8.38	8.30	8.17
TOBACCO PRODUCTS	243.58	255.65	249.89	235.61	40.8	41.3	40.5	39.4	5.97	6.19	6.17	5.98
TEXTILE PRODUCTS	284.41	278.24	272.40	249.56	41.1	40.5	40.0	38.1	6.92	6.87	6.81	6.55
WEAVING MILLS SYNTHETICS	313.04	304.19	286.44	267.96	43.0	41.9	40.4	38.5	7.28	7.26	7.09	6.96
KNITTING MILLS	265.44	265.44	252.95	232.01	40.9	40.9	39.4	37.3	6.49	6.49	6.42	6.22
KNIT OUTERWEAR MILLS	267.90	266.62	251.37	219.92	41.6	41.4	39.9	36.9	6.44	6.44	6.30	5.96
KNIT UNDERWEAR MILLS	232.85	230.49	224.82	197.11	39.4	39.4	38.3	34.4	5.91	5.85	5.87	5.73
OTHER KNITTING MILLS	286.59	291.58	278.69	279.97	41.0	41.3	39.7	40.4	6.99	7.06	7.02	6.93
FLOOR COVERING MILLS	375.25	329.15	370.06	319.32	40.7	36.9	40.4	37.7	9.22	8.92	9.16	9.47
YARN AND THREAD MILLS	241.40	228.05	228.10	202.55	40.1	38.2	38.4	36.3	6.02	5.97	5.94	5.58
OTHER TEXTILE MILL PRODUCTS	287.53	286.71	280.44	266.00	40.9	40.9	41.0	40.0	7.03	7.01	6.84	6.65
APPAREL AND RELATED PRODUCTS	204.62	204.05	202.19	194.54	34.8	35.0	34.8	33.6	5.88	5.83	5.81	5.79
MENS AND BOYS SUITS & COATS	253.69	253.83	261.69	254.80	34.8	35.5	36.6	35.0	7.29	7.15	7.15	7.28
MENS AND BOYS FURNISHINGS	199.30	199.96	207.39	179.91	34.6	35.9	37.1	32.3	5.76	5.57	5.59	5.57
WOMENS AND MISSES OUTERWEAR	187.35	188.34	178.72	176.33	33.1	33.1	31.8	31.6	5.66	5.69	5.62	5.58
WOMENS & KIDS UNDERGARMENTS	211.14	204.22	190.27	200.30	39.1	38.1	35.9	37.3	5.40	5.36	5.30	5.37
CHILDRENS OUTERWEAR	187.02	185.92	187.48	176.48	33.1	33.2	34.4	32.5	5.65	5.60	5.45	5.43
OTHER APPAREL & TEXTILE PROD	220.20	217.70	222.68	213.57	37.9	37.6	38.0	37.8	5.81	5.79	5.86	5.65
PAPER PRODUCTS	457.80	451.87	459.63	429.14	43.6	43.2	43.9	43.0	10.50	10.46	10.47	9.98
PAPER MILLS, EXC. BUILDING	550.18	548.02	619.32	534.24	47.8	47.0	52.0	47.7	11.51	11.66	11.91	11.20
PAPERBOARD CONTAINER & BOXES	423.79	411.70	408.31	403.06	43.6	42.4	42.4	43.2	9.72	9.71	9.63	9.33
CORRUGATED & SOLID BOXES	435.87	429.02	409.34	426.05	43.5	43.6	42.2	44.8	10.02	9.84	9.70	9.51
OTHER PAPERBOARD PRODUCTS	410.78	393.33	408.21	378.90	43.7	41.1	42.7	41.5	9.40	9.57	9.56	9.13
OTHER PAPER & ALLIED PRODS.	442.46	439.30	431.38	403.68	41.9	42.2	41.8	40.9	10.56	10.41	10.32	9.87
PRINTING AND PUBLISHING	419.05	411.60	404.48	407.23	40.1	40.0	39.5	40.4	10.45	10.29	10.24	10.08
NEWSPAPERS	379.17	370.06	371.58	390.49	33.0	33.1	33.0	36.7	11.49	11.18	11.26	10.64
COMMERCIAL PRINTING	459.19	454.30	434.36	434.89	42.4	42.3	40.9	41.3	10.83	10.74	10.62	10.53
OTHER PRINTING & PUBLISHING	395.65	384.05	386.34	382.94	41.3	40.9	41.1	41.0	9.58	9.39	9.40	9.34

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IN PENNSYLVANIA BY INDUSTRY LINE: THIRD QUARTER 1986
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG. WEEKLY HOURS				AVG. HOURLY EARNINGS			
	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985
CHEMICAL AND ALLIED PRODUCTS	477.42	478.41	458.97	469.56	42.4	42.3	41.2	42.0	11.26	11.31	11.14	11.18
INDUSTRIAL INORGANICS	502.32	500.22	495.07	506.86	42.0	42.0	42.9	43.1	11.96	11.91	11.54	11.76
PLASTIC MATERIALS & SYNTHET.	569.84	561.55	513.59	540.97	43.8	43.7	40.6	42.9	13.01	12.85	12.65	12.61
DRUGS	515.81	504.29	485.11	492.15	43.2	42.2	40.8	42.1	11.94	11.95	11.89	11.69
SOAPS, CLEANERS & TOILET GDS	422.15	453.94	423.12	440.26	42.3	44.9	43.0	44.3	9.98	10.11	9.84	10.66
PAINTS AND ALLIED PRODUCTS	440.96	449.21	442.15	445.05	41.6	42.1	41.4	43.0	10.60	10.67	10.68	10.35
OTHER CHEMICAL & ALLIED PROD	417.17	423.69	415.72	415.11	41.1	40.7	40.4	41.1	10.15	10.41	10.29	10.10
PETROLEUM AND COAL PRODUCTS	590.52	574.64	561.51	559.73	44.3	44.0	42.7	42.5	13.33	13.06	13.15	13.17
PETROLEUM REFINING	611.61	588.63	591.93	587.05	42.8	42.5	42.1	41.4	14.29	13.85	14.06	14.18
OTHER PETROLEUM & COAL PRODS	522.83	526.45	461.89	472.42	49.0	48.7	44.8	46.0	10.67	10.81	10.31	10.27
RUBBER AND PLASTICS PRODUCTS	356.42	353.83	359.98	345.37	41.3	41.0	41.0	40.3	8.63	8.63	8.78	8.57
TIRES AND INNER TUBES	355.72	382.78	364.72	531.19	45.2	49.2	47.0	43.9	7.87	7.78	7.76	12.10
FABRICATED RUBBER PRODUCTS	445.30	432.98	448.36	432.01	43.7	42.7	44.0	44.4	10.19	10.14	10.19	9.73
OTHER RUBBER & PLASTICS PROD	347.68	344.69	351.19	325.94	41.0	40.6	40.6	39.7	8.78	8.49	8.65	8.21
LEATHER PRODUCTS	204.26	206.49	212.54	206.59	35.4	36.1	36.9	36.5	5.77	5.72	5.76	5.66
FOOTWEAR, EXC. RUBBER	180.20	185.56	189.92	188.15	34.0	35.2	35.7	35.5	5.30	5.28	5.32	5.30
OTHER LEATHER PRODUCTS	293.22	287.43	294.06	272.15	40.5	39.7	41.3	40.2	7.24	7.24	7.12	6.77
NONMANUFACTURING INDUSTRIES												
MINING												
ANTHRACITE COAL	394.58	396.03	395.30	380.21	36.3	36.2	36.4	36.7	10.87	10.94	10.86	10.36
BITUMINOUS COAL & LIGNITE	547.20	512.87	510.17	523.42	36.7	34.7	34.8	35.9	14.91	14.78	14.66	14.58
NONMETALLIC MINERALS	496.34	479.81	469.53	469.59	48.9	47.6	47.0	47.1	10.15	10.08	9.99	9.97
PUBLIC UTILITIES												
COMMUNICATIONS	551.12	530.81	539.97	548.55	41.5	40.8	41.0	41.4	13.28	13.01	13.17	13.25

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INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG. WEEKLY HOURS				AVG. HOURLY EARNINGS			
	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985	SEPT. 1986	AUG. 1986	JULY 1986	SEPT. 1985
ELECTRIC, GAS AND SANITARY	621.35	616.75	596.83	592.45	42.5	42.8	42.6	42.9	14.62	14.41	14.01	13.81
ELECTRIC SERVICES	604.07	617.03	592.35	582.71	42.6	43.3	42.8	43.1	14.18	14.25	13.84	13.52
GAS PRODUCTION & DIST.	514.35	500.99	499.39	489.24	40.5	40.5	40.9	40.3	12.70	12.37	12.21	12.14
RETAIL TRADE												
GENERAL MERCHANDISE STORES	185.13	186.88	192.43	172.84	29.2	29.9	30.4	29.0	6.34	6.25	6.33	5.96

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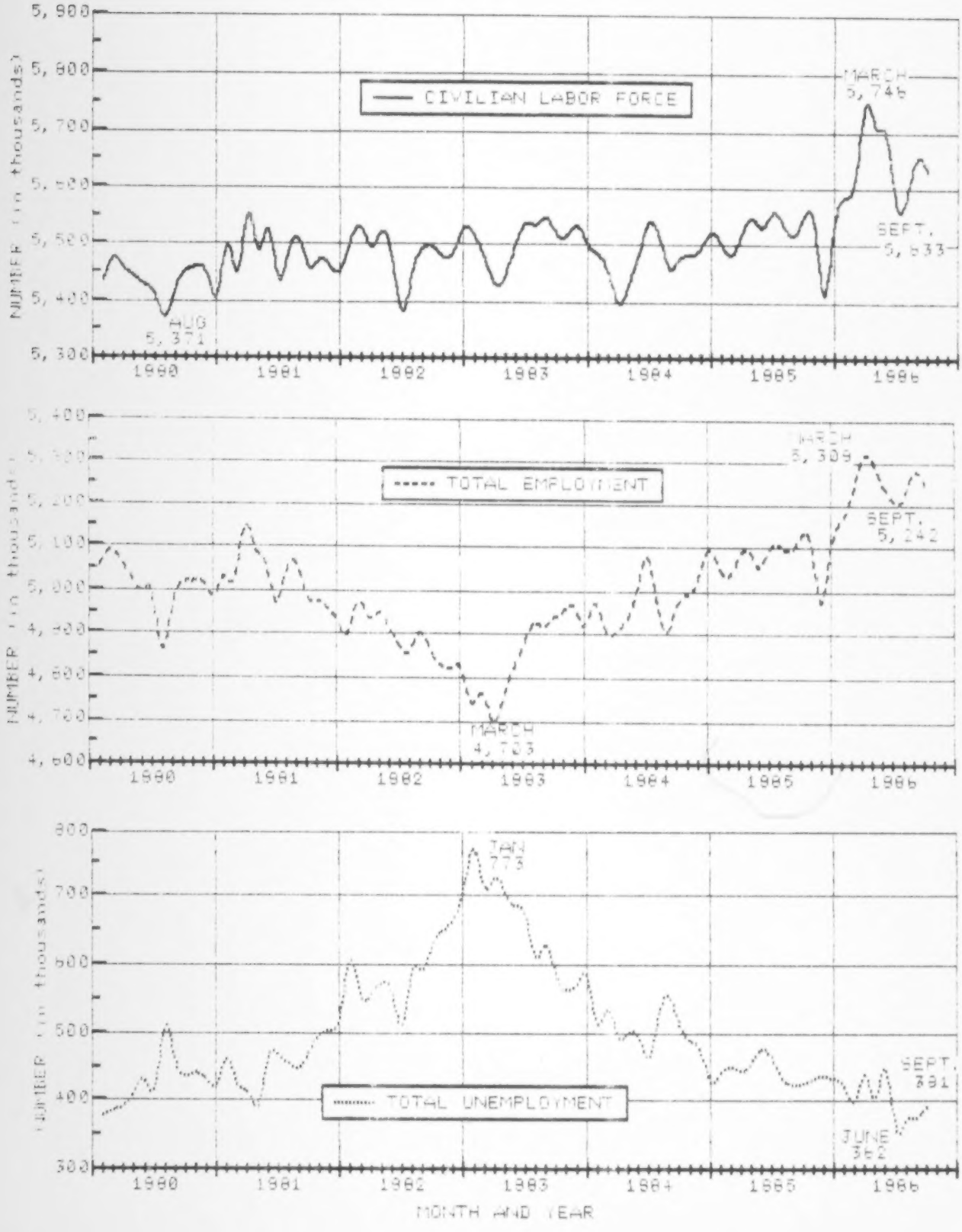
PENNSYLVANIA ECONOMIC INDICATORS
SEASONALLY ADJUSTED



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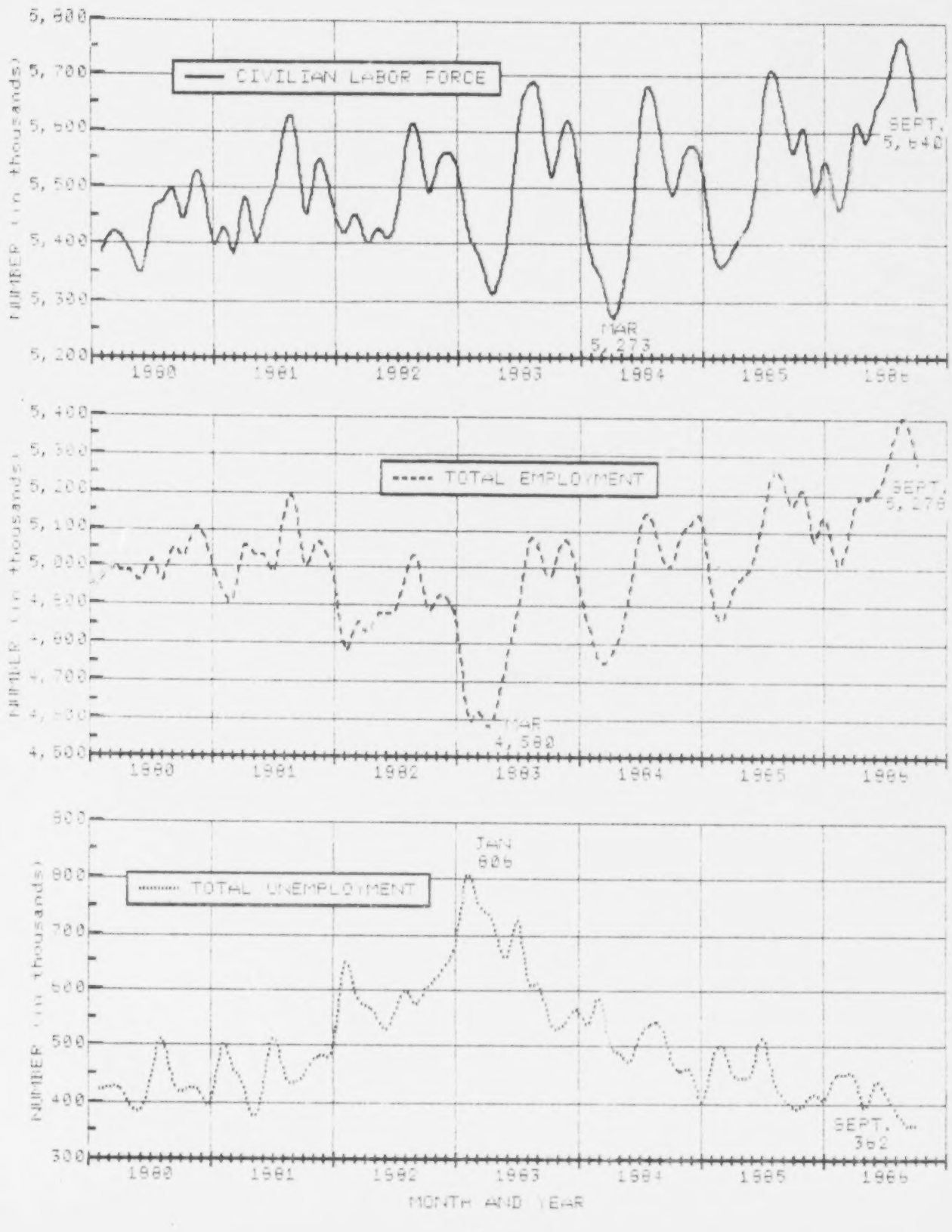

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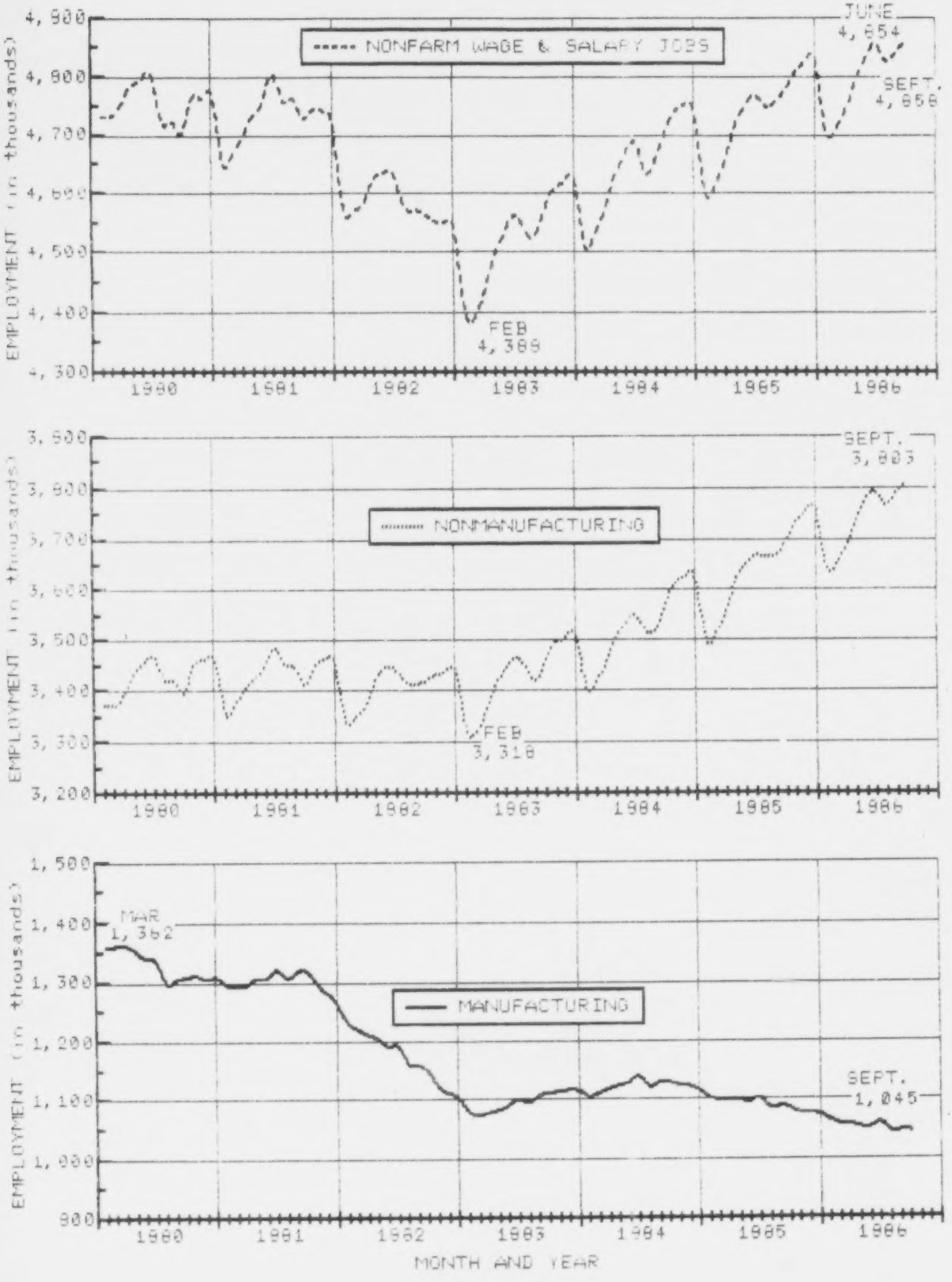

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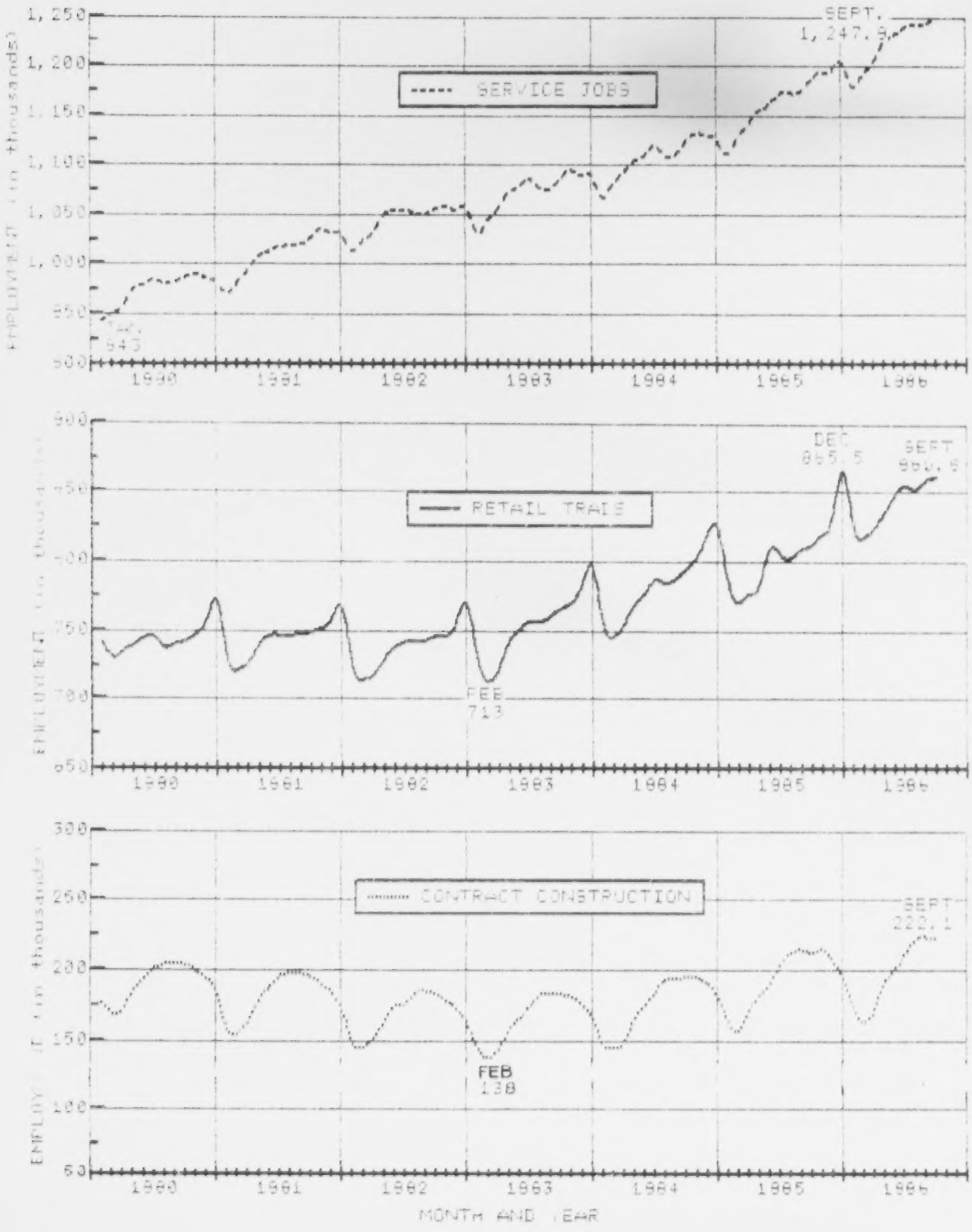

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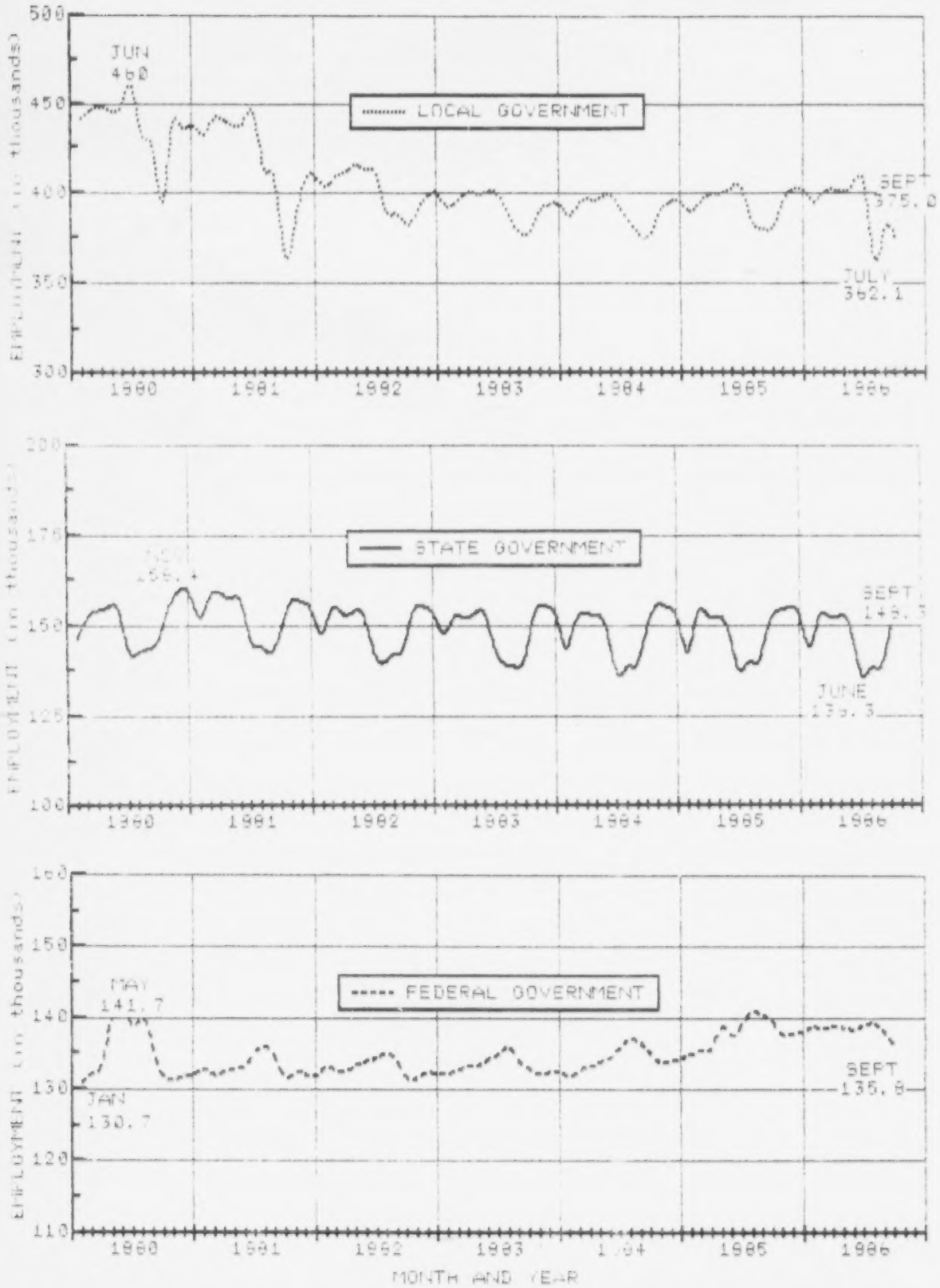

PENNSYLVANIA ECONOMIC INDICATORS
NOT SEASONALLY ADJUSTED